AN - 1997-092628 [09]
AP - JP19950139089 19950606
CPY - MATU
DC - A85 L03
- X16
DW - 199709
IC - H01M10/40
IN - EDA N; ISHIDA A; NISHIMURA M; OGAWA M
LNKA- 1997-029727; 1997-076519
MC - A11-B09A2 A12-E06 L03-E01B5 L03-E01C
- X16-B01F1
PA - (MATU) MATSUSHITA DENKI SANGYO KK
PN - JP8329983 A 19961213 DW199709
PR - JP19950139089 19950606
XIC - H01M-010/40
AB - Li battery is formed by lamination of polymer electrolyte combined positive electrode (1), low ionic conductive electrolyte layer (2), high ionic conductive electrolyte layer (3), and metal Li (4).
- ADVANTAGE :
Li polymer battery can suppress internal shortage caused by dendrite shape Li.
INW - EDA N; ISHIDA A; NISHIMURA M; OGAWA M
IW - LITHIUM POLYMER BATTERY SUPPRESS INTERNAL SMOOTH FORMING LAMINATE ELECTROLYTIC COMBINATION POSITIVE ELECTRODE LOW ION CONDUCTING HIGH METAL LITHIUM@
IWW - LITHIUM POLYMER BATTERY SUPPRESS INTERNAL SMOOTH FORMING LAMINATE ELECTROLYTIC COMBINATION POSITIVE ELECTRODE LOW ION CONDUCTING HIGH METAL LITHIUM@
NC - 1
NPN - 1
OPD - 1995-06-06
PAW - (MATU) MATSUSHITA DENKI SANGYO KK
PD - 1996-12-13
TI - Lithium polymer battery suppression internal smoothness - formed by laminating polymer electrolyte combined positive electrode, low ionic conductive electrolyte, high ionic conductive electrolyte and metal lithium@.
A01 - [001] 018; P0000
- [002] 018; ND01; N9999 N7192 N7023; K9483; Q9999 Q7818; Q9999 Q8764; Q9999 Q7341 Q7330; Q9999 Q7409 Q7330; K9416; K9701 K9676; K9712 K9676

Title: JP08329983A2: LITHIUM BATTERY

Derwent Title: Lithium polymer battery suppression internal smoothness - formed by laminating polymer electrolyte combined positive electrode, low ionic conductive electrolyte, high ionic conductive electrolyte and metal lithium.

Country: JP Japan

Kind: A

Inventor: NISHIMURA MASARU;
OGAWA MASAHIKO;
ISHIDA AKIKO;
EDA NOBUO;

Assignee: MATSUSHITA ELECTRIC IND CO LTD
News, Profiles, Stocks and More about this company

Published / Filed: 1996-12-13 / 1995-06-06

Application Number: JP1995000139089

IPC Code: Advanced: H01M 10/40;
Core: H01M 10/36;
IPC-7: H01M 10/40;

Priority Number: 1995-06-06 JP1995000139089

Abstract: PURPOSE: To restrict the generation of internal short-circuit due to the lithium dendrite in a lithium polymer secondary battery.

CONSTITUTION: At least two layers of lamination polymer electrolyte layers 2, 3 having different ion conductivity are arranged between a negative electrode 4 for a lithium battery and a polymer electrolyte compound positive electrode 1 to form the lithium battery. The electrolyte layers are arranged so that the electrolyte layer, arranged in the negative electrode side has the ion conduction higher that of the electrolyte layer, arranged in the positive electrode side.

Family: None

Forward eferences: Go to Result Set: Forward references (2)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6413675	2002-07-02	Harada; Gaku	NEC Corporation	Multi layer electrolyte and cell using the same
	US6365300	2002-04-02	Ota; Nobuhiro	Sumitomo Electric Industries, Ltd.	Lithium secondary battery

Other Abstract Info: CHEMABS 126(09)120098E CAN126(09)120098E DERABS C97-092628 DERC97-092628

(19) JAPANESE PATENT OFFICE

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(51) Int. Cl H01M 10/40

(21) Application number: 07139089
(22) Date of filing: 06.06.1995

(71) Applicant: MATSUSHITA ELECTRIC IND CO LTD
(72) Inventor: NISHIMURA MASARU
OGAWA MASAHIKO
ISHIDA AKIKO
EDA NOBUO

(54) LITHIUM BATTERY

(57) Abstract:

PURPOSE: To restrict the generation of internal short-circuit due to the lithium dendrite in a lithium polymer secondary battery.

CONSTITUTION: At least two layers of lamination polymer electrolyte layers 2, 3 having different ion conductivity are arranged between a negative electrode 4 for a lithium battery and a polymer electrolyte compound positive electrode 1 to form the lithium battery. The electrolyte layers are arranged so that the electrolyte layer, arranged in the negative electrode side has the ion conduction higher that of the electrolyte layer, arranged in the positive electrode side.